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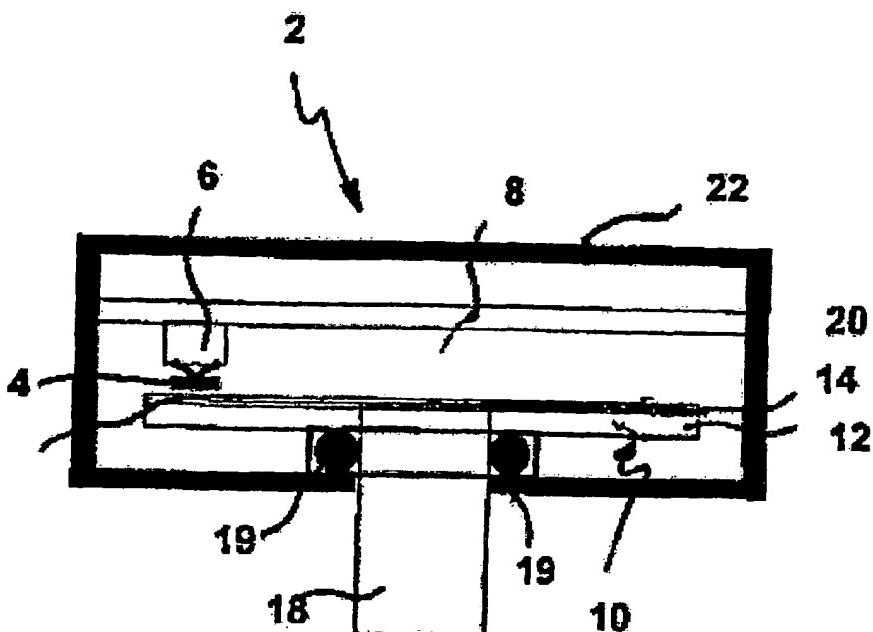
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(57) Abstract: A high-resolution magnetic encoder system, comprising a magnetic sensor mounted on a fixed suspension above a magnetic medium is provided, wherein the magnetic medium carries at least one magnetic track. The sensor moves in close contact on the surface of said magnetic medium, which is protected by a hard cover layer.



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